

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/050009

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B63B 25/14, B63J 5/00, F17C 7/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B65B, B63J, F17C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages               | Relevant to claim No. |
|-----------|--|-----------------------|
| A         | US 4276749 A (CROWLEY), 7 July 1981 (07.07.1981),<br>figure 1, abstract<br>--                    | 1,11                  |
| A         | US 5590535 A (RHOADES), 7 January 1997<br>(07.01.1997), figure 1, abstract<br>--                 | 1,11                  |
| A         | EP 1291576 A2 (CRYPTOSTAR-FRANCE SA), 12 March 2003<br>(12.03.2003), figures 1,2, abstract<br>-- | 1,11                  |
| A         | EP 1348620 A1 (ALSTROM), 1 October 2003<br>(01.10.2003), figure 1, abstract<br>--                | 1,11                  |

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

16 Sept 2004

Date of mailing of the international search report

17-09-2004

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**INTERNATIONAL SEARCH REPORT**

International application No.

**PCT/FI 2004/050009****C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                         | Relevant to claim No. |
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| A         | <b>US 5884488 A (GRAM ET AL), 23 March 1999<br/>(23.03.1999), figure 2, abstract</b><br>--                 | 1,11                  |
| A         | <b>FR 2722760 A1 (CHANTIERS DE L' ATLANTIQUE S A),<br/>26 January 1996 (26.01.1996), abstract</b><br>----- | 1,11                  |

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

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US 5590535 A 07/01/1997 NONE

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